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# MAIDS5



**INTRODUCTION**

MAIDS 5 is an innovative 5 functions in 1 rehabilitation tool / equipment to help patient with gross and fine motor problems in paediatrics.

**PROBLEM STATEMENT**

- There is an increasing trend in statistics of patient with gross and fine motor problem such as Cerebral palsy, Global Development Delay and others that come for treatment in our Hospital USM Rehabilitation Centre.
- Rehabilitation treatment has become quite challenging due to poor or lack of rehabilitation tools to treat these patients optimally.
- As a result, many of our patients end up with preventable complication such as poor posture and spasticity.

**INVENTIVENESS & NOVELTY**

- Creation of MAIDS 5 is based on our collective experience during managing these patients.
- Annual increasing trend in number of paediatric patients, compare to the unchanging (static) number of therapists.
- Existing tools are expensive and difficult to obtain.
- Limited functions of available equipment
- Limited resources and supplier.

**INTELLECTUAL PROPERTY STATUS**

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**USEFULLNESS & APPLICATION**

**OBJECTIVE:**

- To provide a multifunction rehabilitation tool in optimising management of paediatrics patients.

**PROBLEM SOLVING :**

NO.	PROBLEM	SOLUTION FROM INVENTION
1	Limited function	Multifunction
2	Expensive	Affordable price and cheaper
3	Difficult to obtain	Local product, local expertise and custom made. (Design and Assemble in Malaysia).
4	Frequency of treatment	Patient can practice at home

**USEFULNESS AND APPLICATIONS :**

- MAIDS 5 integrates multiple functions and training in one product for better clinical benefits.
- For sitting, standing, walking, as a stroller and use for fine motor activities
- To stimulate and improve gross and fine motor development
- Prevention of complication such as poor posture/ deformity / spasticity.
- Improve efficacy of rehabilitation intervention / reduce workload to the therapists
- Cost saving, contribute to industry and generate income to the nation.

**STATUS OF INVENTION**

- Completed. Technology Readiness Level (TRL) 8
- Have a prototype for demonstration
- Tested by internal and external professionals.
- Ready to be commercialized internally to clients at Rehabilitation Unit of Hospital USM and externally to the whole world.

**MARKET & COMMERCIAL POTENTIAL**

- MAIDS 5 has many competitive advantages compared to imported products in market.
- Potential marketability of this product is high in Malaysia
- Will be commercialized in Malaysia
- In future, will be target worldwide market
- Raw Material Price Per unit : RM 500 (all the materials are RoHS compliant, recyclable, reusable)

**POTENTIAL CUSTOMERS:**

- Individual and family
- Healthcare sector
- Manufacturing sector



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